

Application Number : 10/058,268 Confirmation Number: 2691
Applicant : Warren Keith Edwards et al.
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Examiner : Chankong, Dohm

Docket Number : PARC-DA1085
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Interview Summary
Via electronic filing

INTERVIEW SUMMARY

Dear Examiner Chankong:

In light of the interview on **17 December 2009**, please find the proposed amendment below.

Identification of Claims and Reference Discussed

Claim(s) for discussion: Claim 1

Reference(s) for discussion: Reed et al. (U.S. Patent No. 6,345,288 hereinafter "Reed"), Bischoff et al. (U.S. Patent No. 6,718,377 hereinafter "Bischoff"), and Zintel (U.S. Patent No. 6,779,004, hereinafter "Zintel").

Applicant's Arguments

Examiner rejected claims 1 as being unpatentable over Reed in view of Bischoff and Zintel. Applicant respectfully disagrees because neither Reed nor Zintel discloses a universal data transfer interface comprising **object-oriented mobile code**, wherein the universal data transfer interface does not have knowledge of the components' file system protocols or printer domain protocols, prior to initiating a data transfer, and wherein the data object controls the universal data transfer interface.

In rejecting the claimed universal data transfer interface, Examiner states that Zintel discloses a universal plug and play interface (UPnP) “that enables any networked device to initiate a communication with any other networked device, without having established a prior relationship” (see Zintel, column 5, lines 57-62). However, the universal plug and play interface is fundamentally different from the claimed universal data transfer interface, because UPnP uses **XML and accompanying XSL** for device description, and accesses file systems using URL links (see Zintel, column 48, lines 42-50, and column 25, lines 57-58). In contrast, the claimed universal data transfer interface is based on **object-oriented mobile code** which **does not contain a priori knowledge** of the components’ file system protocols or printer domain protocols (see paragraphs [0003] and [0035] of the instant application). XML data and XSL style sheets used in Zintel are **NOT** object-oriented mobile code because they cannot be transmitted to and executed on other components to facilitate file system access and printing.

Proposed Amendment:

1 1. (Previously presented) A system for enabling components to transfer
2 data between each other, the system comprising:
3 a processor;
4 a memory;
5 a plurality of components including a first component having a data
6 object;
7 a universal data transfer interface comprising object-oriented mobile code,
8 wherein the universal data transfer interface ~~which~~ does not have knowledge of
9 the components’ file system protocols or printer domain protocols, prior to
10 initiating a data transfer; and wherein the data object controls the universal data
11 transfer interface;
12 ~~wherein the file system protocols indicate how to access files over a~~
13 ~~network; and~~

14 wherein the printer domain protocols indicate how to print and manage
15 print jobs over a network;
16 a second component capable of receiving the data object and invoking the
17 universal data transfer interface to cause a data transfer session object (DTSO) to
18 be sent to the second component, wherein the second component acts as an
19 intermediary component, which facilitates transferring of the DTSO from the first
20 component to a third component;
21 wherein the DTSO is capable of being invoked by the third
22 component to transfer data between the first component and the third
23 component;
24 wherein the DTSO includes instructions to return data types
25 supported by the first component;
26 wherein the DTSO includes instructions that enable the first
27 component to receive asynchronous event notifications;
28 wherein the DTSO includes instructions to return device type and
29 operating status of the first component; and
30 wherein the DTSO includes instructions to enable the first
31 component or the third component to negotiate with each other to select a
32 transfer medium to use to transfer data based upon the type of data.

Interview Outcome

Examiner suggested clarifying how the object-oriented mobile code is implemented in the universal data transfer interface. Examiner will conduct new search based on new amendment.

Respectfully submitted,

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